

ACR-30

Smart Card Reader/Writer

From the company that produced the world's first USB smart card reader, ACS now introduces the latest model of its popular smart card reader/writer series. The ACR30 is a compact, very cost effective, single chip reader which supports all MCU-based cards with T=0 or T=1 protocols as well as the popular memory cards in the market today. It is ISO 7816-1/2/3 and Microsoft PC/SC compliant, and supports all major PC platforms.

Being a single-chip solution, this reader is one of the most cost-effective solutions for e-commerce, information security, access control, identification, and other smart card applications. It is available in two types of interface:

ACR-30S – ACR-30 with RS232 serial interface
ACR-30U – ACR-30 with USB interface

The ACR-30 is also available in two types of casing, the original Piano casing and the new CyberFrog casing.

Like the ACR-20, the ACR-30 is also supplied in module form (ACM-30). This is an ideal solution for easy integrating smart card access into any application. The module retains the full functionalities of the reader/writer, and can be easily integrated in payphones, parking meters, vending machines, laundries, gaming machines, ATM's, sophisticated access control systems, and more.

Standard features for the ACR-30 reader series:

- ISO 7816-1/2/3 and PC/SC compliant
- Certified by CE, FCC and Microsoft WHQL
- Read and write ALL microcontroller cards with T=0 and T=1 protocols
- Read and write the popular memory card types in the market:

Note: Card manufacturers using the above-mentioned chips may have different names for their cards. These cards are likewise supported by ACR-30.

Examples are:

- Gemplus: GPM103, GFM2K, GFM4K, GPM2K, GPM8K
- Schlumberger: Primeflex Store 2K/8K, open 2K/4K
- Interface library for efficient PC application software development
- DOS static library files
- 16-bit and 32 bit DLL files for Windows 3.x, 95, 98, Me, NT and 2000
- PC/SC compliant IFD handler
- Compatible with most PC platforms: DOS, Windows 3.x, 95, 98, Me, NT and 2000, Linux

Interface	RS 232 (serial) or USB
Supply voltage	Regulated 5V DC
Supply current	< 100mA (without smart card)
Operating condition	Temperature : 0°~50°C
CLK frequency	3.68/4 MHz
Standards Certifications	ISO 7816-1/2/3, PC/SC, CE, FCC, Microsoft WHQL
Operation Sysytem support	DOS, Windows 3.x, 95, 98, Me, NT, 2000 and Linux



Siemens:	SLE4406, SLE4418, SLE4428, SLE4432, SLE4442
Atmel:	AT88SC06, AT24C01-16
STMicroelectronics:	ST1305, ST14C02C, ST14C04C

Note : All specifications are subject to change without notice



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